### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.00	Rating **	Α	Issue No.		102		
LM End	0.00	Issue Type +	Ma	Location * N/A				
Category	Earthen L	evee		GPS La	atituc	de/Longitude		
Calegory				Start		End		
Item		s & Maintena	nce		0		0	
item	Manuals Manuals				0		0	
DWR ID	DWR_RD0	003_01_s _ 201	3_102					
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				
LMA has a copy of the O & M manual on file at district office.								

No Photos

LM Start	0.00	Rating **	Α	Issue No. 103								
LM End	0.00	Issue Type +	Ma	Location *		N/A						
Category	Earthen Levee				atitud	e/Longitude						
Calegory	Category					End						
Item	Emergency Supplies &				0		0					
пеш	Equipmer	nt			0		0					
DWR ID	DWR_RD0	003_01_s _ 201	3_103									
		Comn	nent Cod	de								
		Inspecto	or Comm	nent		Inspector Comment						

No Photos

The LMA has an adequate flood fight supplies and equipment to respond to a flood emergency.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Page 1 of 24

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.00	Rating **	Α	Issue No.		104	
LM End	0.00	Issue Type +	sue Type + Ma			N/A	
Category	Earthen L	.evee	GPS La	atitud	le/Longitude		
Calegory						End	
14	Flood Pre	paredness &		0		0	
Item					0		0
DWR ID	DWR_RD0	003_01_s _ 201	3_104				
		Comn	nent Coc	le			

Inspector Comment

The LMA is organized to respond to flood emergency. District has been involved in flood fight training.

Photo 1 of 4 : SP\_2018\_RD0003\_24\_19\_20180305\_00021.jpg

No Photos



Looking north at tree branches on waterward slope. (Fall 2016)

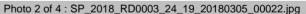
#### Rating \*\* Issue No. 0.13 19 LM Start WS LM End 0.13 Issue Type + Location \* Earthen Levee GPS Latitude/Longitude Category End Start Encroachments 38.303305° 38.303305 Item -121.576537 ° -121.576537 DWR ID DWR\_RD0003\_01\_f \_ 2012\_19 Comment Code

TR: Tree or limb

#### Inspector Comment

Tree branches and limbs on waterward shoulder.

LM Start	0.13	Rating **	М	Issue No.	19 (cont)
LM End	0.13	Issue Type +	Ma	Location *	WS





Looking west at tree branch on waterward shoulder and slope. (Fall 2016)

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.13	Rating **	М	Issue No.	19 (cont)			
LM End	0.13	Issue Type +	Ма	Location *		WS		
Category	Earthen L	GPS La	atituc	le/Longitude				
Calegory				Start		End		
Item	Encroachments 38.303305 ° 38.303305							
пеш		-121.576537 ° -121.576537 °						
DWR ID	DWR ID DWR_RD0003_01_f _ 2012_19							
		Comn	nent Cod	le				
TR : Tree	or limb							
			_					
		Inspecto	or Comm	nent				
Tree brand	Tree branches and limbs on waterward shoulder.							

LM Start	0.13	Rating **	М	Issue No.	19 (cont)
LM End	0.13	Issue Type +	Ma	Location *	WS



Looking west at tree branch on waterward shoulder and slope. (Fall 2014)

Photo 4 of 4: SP\_2018\_RD0003\_24\_19\_20180305\_00024.jpg



Looking west at tree branches on waterward shoulder. (Spring 2014)

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

	_						
LM Start	0.13	Rating **	M	Issue No.	2		
LM End	0.13	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.3033	03°	38.303303°	
пеш				-121.5765	38°	-121.576538°	
DWR ID DWR_RD0003_01_f _ 2013_2							
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder.							
· · · · · · · · · · · · · · · · · · ·							

LM Start	0.13	Rating **	М	Issue No.	2 (cont)
LMC	0.42	Iccuo Typo +	1/10	Location *	MC



Looking east at hole at the base of an oak tree on the waterward shoulder. (2016)

Photo 2 of 3: SP\_2018\_RD0003\_24\_2\_20180305\_00004.jpg



Looking at a hole next to oak tree on waterward shoulder.(2015)

LM Start	0.13	Rating **	М	Issue No.	2 (cont)
LM End	0.13	Issue Type +	Ma	Location *	WS



Looking east at hole at base of tree on waterward shoulder. (2014)

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.18	Rating **	A/W	Issue No.		10		
LM End	0.24	Issue Type +	Ma	Location *	WS			
Category				GPS Latitude/Longitude				
Category				Start		End		
Item		CE Erosion S	Survey,	38.30303	35 °	38.302544°		
пеш	DRAFT			-121.57735	57 °	-121.578241 °		
DWR ID	DWR_RD0003_01_s _ 2016_10							
Comment Code								

#### Inspector Comment

1997 - Mass failure of berm slope and wave wash erosion. Large trees on top of berm, some failed trees. New area of low rock to on the upstream end. 2000 - Some minor erosion near the downstream end. 2005 - One new small tree has fallen. 2009 - Minimal new erosion. 2010 - Minor new erosion. 2013 - Observed new animal holes and vertical sections at middle of site. 2015: Minor new erosion. [2015 Site ID: STM\_26-0\_L]



USACE 2013 Photo #1

LM Start	0.18	Rating **	A/W	Issue No.	. 52	
LM End	0.21	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory			Start		End	
Item	2017 Storm Damage			38.30298	1°	38.302778 °
пеш			-121.57733	6°	-121.577683 °	
DWR ID	DWR_RD0003_01_s _ 2018_52					

# Comment Code

### Inspector Comment

Levee Evaluation Comments

Description: District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately I 22 linear feet of the water side slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.

Site ID No:274

Site Designation:LMA-100

Repair Type: Erosion

Rating:Serious

Field Date:7/26/2017

Notes: trees undercut by erosion

### Photo 1 of 3: LEVAL\_SP\_2018\_274\_2391.jpg



Thursday, May 31, 2018 11:51

WS: Water Side CR: Crown

Rating A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected

Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.18	Rating **	A/W	Issue No.	52 (cont)			
LM End	0.21	Issue Type +	Ma	Location *				
Category				GPS Latitude/Longitude				
Category				Start		End		
Itom	2017 Stor	m Damage		38.3029	81 °	38.302778 °		
Item			-121.5773	36°	-121.577683 °			
DWR ID	WR ID DWR_RD0003_01_s _ 2018_52							
Comment Code								

### Inspector Comment

Levee Evaluation Comments

Description:District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately I 22 linear feet of the water side slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 ofthe way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.

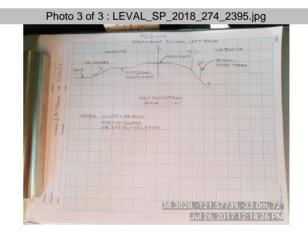
Site ID No:274

Site Designation:LMA-100 Repair Type: Erosion Rating:Serious Field Date:7/26/2017

Notes: trees undercut by erosion

LM Start	0.18	Rating **	A/W	Issue No.	52 (cont)
LM End	0.21	Issue Type +	Ma	Location *	





### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.91	Rating **	A/W	Issue No.	53		
LM End	0.97	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory						End	
ltom	2017 Stor	m Damage		38.29338	1°	38.292617°	
пеш	Item				0 °	-121.582675 °	
DWR ID	R ID DWR_RD0003_01_s _ 2018_53						
Comment Code							

### Inspector Comment

Levee Evaluation Comments

Description:District station 48+20 to 51+06, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 286 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion begins approximately 1/2 ofthe way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.

Site ID No:275

Site Designation:LMA-101 Repair Type: Erosion Rating:Serious Field Date:7/26/2017

Notes:

LM Start	0.91	Rating **	A/W	Issue No.	53 (cont)
LM End	0.97	Issue Type +	Ma	Location *	



Photo 2 of 3: LEVAL\_SP\_2018\_275\_2398.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	0.91	Rating **	A/W	Issue No. 53 (cont)		53 (cont)
LM End	0.97	Issue Type +	Ма	Location *		
Category	ental		GPS Lat	tituc	le/Longitude	
Category				Start		End
Itom	2017 Stor	m Damage		38.29338	1°	38.292617°
пеш	Item					-121.582675°
DWR ID DWR_RD0003_01_s _ 2018_53						
Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description:District station 48+20 to 51+06, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 286 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion begins approximately 1/2 ofthe way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.

Site ID No:275

Site Designation:LMA-101 Repair Type: Erosion Rating:Serious Field Date:7/26/2017

Notes:



LM Start	0.91	Rating **	A/W	Issue No.	4		
LM End	0.96	Issue Type +	Ma	Location *	WS		
Category	ental	GPS La	titud	le/Longitude			
Calegory			Start		End		
Item		ACE Erosion S	Survey,	38.2933	86°	38.292675 °	
пеш	DRAFT			-121.5825	54 °	-121.582741 °	
DWR ID DWR_RD0003_01_s _ 2016_4							
Comment Code							

#### Inspector Comment

1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2010 - Some minor new erosion. 2011 - Minor new erosion. 2012 - Minor new erosion at the toe. 2015: Significant new erosion, large oak tree on verge of popping out. [2015 Site ID: STM\_25-0\_L]

### Photo 1 of 1: SP\_2018\_RD0003\_24\_4\_20180305\_00006.jpg



USACE 2013 Photo #1

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	1.03	Rating **	М	Issue No.	1		
LM End	1.18	Issue Type +	Ma	Location *	WS		
Category	ental	GPS La	atitud	le/Longitude			
Calegory				Start		End	
Itom		CE Erosion S	Survey,	38.2916	95 °	38.289575 °	
ltem DRAFT -121.58						-121.583092°	
DWR ID DWR_RD0003_01_s _ 2016_1							
Comment Code							

#### Inspector Comment

2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end. 2015: New erosion at toe. [2015 Site ID: STM\_24-8\_L]

LM Start	1.03	Rating **	М	Issue No.	1 (cont)
LM End	1.18	Issue Type +	Ma	Location *	WS



USACE 2013 Photo #1

Photo 2 of 2: SP\_2018\_RD0003\_24\_1\_20180305\_00002.jpg



USACE 2013 Photo #2

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	1.09	Rating **	A/W	Issue No.	60		
LM End	1.10	Issue Type +	Ma	Location *			
Category	Suppleme	ental	GPS Latitude/Longitude				
Calegory		Start		End			
Item	2017 Stor	m Damage		38.2908	19°	38.290706°	
пеш				-121.5829	42 °	-121.582939 °	
DWR ID DWR_RD0003_01_f _ 2017_60							
Comment Code							

#### Inspector Comment

Levee Evaluation Comments

Description:District station 57+57 to 57+98, Sec. 18, 1.5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 of the way down the slope from the crown to the waterside toe.

Site ID No:276

Site Designation:LMA-102 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

LM Start	1.09	Rating **	A/W	Issue No.	60 (cont)
LM End	1.10	Issue Type +	Ma	Location *	



Photo 2 of 3: SP\_2018\_RD0003\_24\_60\_20180305\_00049.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	1.09	Rating **	A/W	Issue No.	60 (cont)		
LM End	1.10	Issue Type +	Ma	Location *			
Category	Suppleme	ental	GPS La	atitud	le/Longitude		
Category				Start		End	
Item	2017 Stor	m Damage		38.2908	19°	38.290706 °	
пеш				-121.5829	42 °	-121.582939 °	
DWR ID DWR_RD0003_01_f _ 2017_60							
	Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description: District station 57+57 to 57+98, Sec. 18, 1. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 of the way down the slope from the crown to the waterside toe.

Site ID No:276

Site Designation:LMA-102 Repair Type: Erosion Rating:Area of Concern

Field Date:7/26/2017

Notes:

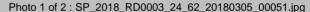


LM Start	1.69	Rating **	U	Issue No.		62	
LM End	1.69	Issue Type +	Ma	Location *		WS	
Category	.evee	GPS La	tituc	le/Longitude			
Category				Start		End	
Item	Encroach	ments		38.2837	47°	38.283747°	
пеш				-121.5876	22 °	-121.587622°	
DWR ID DWR_RD0003_01_f _ 2016_62							
Comment Code							

TR: Tree or limb

#### Inspector Comment

Broken tree branch on waterward slope.





N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	1.69	Rating **	U	Issue No.	o. 62 (cont)			
				Location *		· ,		
LM End	1.69	Issue Type +	Ма	Location		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Culogory			Start		End			
Encroachments			38.2837	47°	38.283747 °			
item				-121.587622 °		2 ° -121.587622 °		
DWR ID DWR_RD0003_01_f _ 2016_62								
		Comn	nent Cod	le				
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Broken tre	e branch c	n waterward	slope.					



Looking southwest at broken branches on waterward slope.

LM Start	1.91	Rating **	М	Issue No.		54	
LM End	1.91	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
- Calogoly			Start		End		
Item	Encroach	ments		38.2806	38°	38.280638 °	
item	-121.588457 ° -121.						
DWR ID	DWR_RD0003_01_s _ 2018_54						
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	nent			
Cut branch	nes on wat	erside slope a	nd shou	lder.			



Cut branches on waterside slope.

LM Start	1.93	Rating **	С	Issue No.		81
LM End	1.93	Issue Type +	Ма	Location *	WS	
Category	Earthen Levee			GPS La	atitud	e/Longitude
Calegory			Start		End	
Encroachments			38.2803	19°	38.280319°	
item				-121.588426 °		-121.588426 °
DWR ID DWR_RD0003_01_f _ 2017_81						
		Comn	nent Cod	le		
TR : Tree	or limb					
		Inspecto	or Comm	nent		

No Photos

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	2.27	Rating **	М	Issue No.	Issue No. 55				
LIVI Start	2.21		IVI			33			
LM End	2.27	Issue Type +	Ма	Location *	WS				
Category Earthen Levee			GPS Latitude/Longitude						
Category			Start		End				
Encroachments			38.2758	27°	38.275827 °				
item				-121.589979 °		9° -121.589979°			
DWR ID	DWR_RD0003_01_s _ 2018_55								
		Comn	nent Cod	le					
TR : Tree	or limb								
		Inspecto	or Comm	nent					
Fallen tree	on waters	side slope.							



Fallen tree limb on waterside.

LM Start	2.53	Rating **	U	Issue No.	65			
LM End	2.57	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Vegetation			38.2728	86°	38.272262 °		
пеш				-121.5876	24 °	-121.588010 °		
DWR ID	DWR_RD0003_01_s _ 2018_65							
	Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Landside vegetation.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	2.66	Rating **	М	Issue No.		82	
LM End	2.66	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category		Start		End			
Encroachments			38.2711	28 °	38.271128 °		
Item				-121.588634 °		° -121.588634°	
DWR ID DWR_RD0003_01_f _ 2017_82							
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	nent			



Looking southwest at waterside slope.

LM Start	2.69	Rating **	M	Issue No.	29		
LM End	2.69	Issue Type +	Ma	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Encroachments			38.27073	33 °	38.270733 °	
item				-121.58870	08°	-121.588708 °	
DWR ID	DWR_RD0	003_01_s _ 201	8_29				
Comment Code							

TR : Tree or limb

Inspector Comment

Large tree limb on waterside slope.

NΙΛ	P٢	notos	2

LM Start	3.16	Rating **	N	Issue No.		47	
LM End	3.16	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory		Start		End			
Item	Trim / Thi	Trim / Thin Trees			54°	38.264154	٥
пеш				-121.5872	42°	-121.587242	٥
DWR ID DWR_RD0003_01_s _ 2012_47							
		Comn	nent Cod	le			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			
6 large stu	mps on slo	ope.					

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	4.38	Rating **	М	Issue No.		80		
LM End	4.48	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Vegetatio	n		38.2529	40°	38.251580 °		
пеш				-121.6007	21 °	-121.601017 °		
DWR ID	DWR ID DWR_RD0003_01_s _ 2018_80							
		Comn	nent Cod	le				
V2: Remo	ve the wild	growth other	than na	tive grasse	s fro	m the levee		
slopes.								
Inspector Comment								

No Photos

LM Start	4.87	Rating **	М	Issue No.		83
LM End	4.87	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	titud	le/Longitude
Calegory				Start		End
Item	Slope Sta	bility		38.2459	03 °	38.245903°
item				-121.600851 °		-121.600851 °
DWR ID	DWR_RD0	003_01_f _ 201	7_83			
		Comn	nent Cod	le		
S1 : Repai	r slope ins	tability.				
Inspector Comment						
Landside slope has a depression.						



Looking east on landside slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

## **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	5.65	Rating **	М	Issue No.		63
LM End	5.65	Issue Type +	Ма	Location *		LS
Earthen Levee			GPS La	titud	e/Longitude	
Category			Start		End	
Item	Trim / Thi	n Trees		38.23472	21 °	38.234721 °
пеш				-121.60170	)9°	-121.601709°
DWR ID DWR_RD0003_01_f _ 2016_63						

#### Comment Code

T1 : Trim trees to at least five feet above ground level.

#### Inspector Comment

Large tree limb lays just above surface of landside slope and prevents inspection and access to slope beneath it. It should be removed.



Low-lying tree limb should be removed from landside slope.

LM Start	5.77	Rating **	U	Issue No.		66
LM End	5.77	Issue Type +	Ма	Location *		WS
Earthen Levee			GPS Latitude/Longitude			
Category				Start		End
Item	Encroachments			38.2330	98 °	38.233098°
пеш				-121.6013	23 °	-121.601323 °
DWR ID	DWR_RD0	003_01_f _ 201	6_66			

### Comment Code

TR: Tree or limb

#### Inspector Comment

Broken tree branches and limbs on waterward slope.

Photo 1 of 1: SP_2018_RD0003_24_66_20180305_00055.jpg
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A Comment of the Comm

Looking west at tree branches and limbs on waterward slope.

Photo 1 of 1: SP\_2018\_RD0003\_24\_86\_20180403\_00179.jpg

LM Start	6.85	Rating **	U	Issue No.		86
LM End	6.92	Issue Type +	Ма	Location *		LS
Earthen Levee			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	Vegetation			38.21790	)5 °	38.217060 °
пеш				-121.60315	58°	-121.603717°
DWR ID DWR_RD0003_01_s _ 2018_86						

### Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

### Inspector Comment

Dense vegetation along landside toe.



Dense vegetation along landside toe prevents inspection and access.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	7.02	Rating **	М	Issue No.		88
LM End	7.02	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.2157	11 °	38.215711 °
пеш	item			-121.604581 °		-121.604581 °
DWR ID	DWR_RD0	003_01_s _ 201	8_88			
		Comn	nent Cod	le		
T1 : Trim t	rees to at l	east five feet	above g	round level.		
		Inspecto	or Comm	nent		

No Photos

LM Start	7.44	Rating **	М	Issue No.	89		
LM End	7.44	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS La	titud	le/Longitude		
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.21020	0°	38.210200	0
пеш			-121.60780	9°	-121.607809	0	
DWR ID	DWR_RD0	003_01_s _ 201	8_89				
	Comment Code						

Comment Code

T1 : Trim trees to at least five feet above ground level.

#### Inspector Comment

Low leaning tree on waterside is beginning to inhibit inspection and access. Should be removed.

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	8.39	Rating **	С	Issue No.		94		
LM End	8.39	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroach	ments		38.1972	02 °	38.197202°		
пеш		-121.612962 ° -121.6						
DWR ID	DWR_RD0	003_01_s _ 201	3_94			·		
		Comn	nent Cod	de				
PR : Pruni	ngs							
	Inspector Comment							

No Photos

LM Start	10.15	Rating **	A/W	Issue No.	o. <b>72</b>		
LM End	10.21	Issue Type +	Ма	Location *			
Supplemental			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	2017 Stor	m Damage		38.18843	0	38.187803	۰
пеш				-121.641703	°	-121.642478	۰
DWR ID	DWR_RD0	003_01_f _ 201	7_72				

### Comment Code

#### Inspector Comment

Levee Evaluation Comments

Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 ofthe way down the slope from the crown and extends to the rip rap.

Site ID No:277

Site Designation:LMA-103 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

### Photo 1 of 3: SP\_2018\_RD0003\_24\_72\_20180305\_00060.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	10.15	Rating **	A/W	Issue No.	72 (cont)		
LM End	10.21	Issue Type +	Ma	Location *			
Supplemental				GPS Latitude/Longitude			
Calegory	Category					End	
Item	2017 Stor	m Damage		38.1884	31 °	38.187803 °	
пеш				-121.64170	)3 °	-121.642478 °	
DWR ID	DWR ID DWR_RD0003_01_f _ 2017_72						
Comment Code							

#### Inspector Comment

Levee Evaluation Comments

Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 ofthe way down the slope from the crown and extends to the rip rap.

Site ID No:277

Site Designation:LMA-103 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

LM Start	10.15	Rating **	A/W	Issue No.	72 (cont)
LM End	10.21	Issue Type +	Ma	Location *	



Photo 3 of 3: SP\_2018\_RD0003\_24\_72\_20180305\_00062.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

## **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	10.67	Rating **	A/W	Issue No.	73		
LM End	10.92	Issue Type +	Ма	Location *			
Supplemental				GPS Latitude/Longitude			
Calegory	egory					End	
Item	2017 Stor	m Damage		38.1838	10°	38.182480°	
пеш				-121.6487	80°	-121.653150 °	
DWR ID	DWR_RD0003_01_f _ 2017_73						
Comment Code							

#### Inspector Comment

Levee Evaluation Comments

Description: Site ID No:63

Site Designation: DWR\_RD0003\_01\_R\_2012\_03

Repair Type: Erosion Rating:Serious Field Date:6/8/2017

Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river,

LM Start	10.67	Rating **	A/W	Issue No.	73 (cont)
LM End	10.92	Issue Type +	Ma	Location *	



Photo 2 of 3: SP\_2018\_RD0003\_24\_73\_20180305\_00064.jpg



N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	10.67	Rating **	A/W	Issue No.	73 (cont)		
LM End	10.92	Issue Type +	Ma	Location *			
Supplemental				GPS Latitude/Longitude			
Calegory	Calegory					End	
Item	2017 Stor	m Damage		38.1838 <sup>-</sup>	10°	38.182480 °	
пеш				-121.64878	30°	-121.653150 °	
DWR ID	DWR ID DWR_RD0003_01_f _ 2017_73						
	Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description: Site ID No:63

Site Designation: DWR\_RD0003\_01\_R\_2012\_03

Repair Type: Erosion Rating:Serious Field Date:6/8/2017

Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river,



LM Start	10.75	Rating **	A/W	Issue No.	96		
LM End	10.75	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item Erosion / Bank Caving				38.1834	22 °	38.183422 °	
				-121.6501	82 °	-121.650182 °	
DWR ID	D DWR_RD0003_01_s _ 2013_96						
Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

### Inspector Comment

Erosion extends to waterward shoulder.

### Photo 1 of 2 : SP\_2018\_RD0003\_24\_96\_20180305\_00079.jpg



Looking northwest at erosion on waterward slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	10.75	Rating **	A/W	Issue No.		96 (cont)	
LM End	10.75	Issue Type +	Ма	Location *		WS	
Cotogony	Earthen L	evee		GPS La	atitud	le/Longitude	
Category						End	
Item	Erosion /	Bank Caving		38.1834	22 °	38.183422°	
item				-121.650182 °		2° -121.650182°	
DWR ID DWR_RD0003_01_s _ 2013_96							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion sit	e prior to	the next in	spe	ction.	
		Inspect	or Comm	nent			
Erosion extends to waterward shoulder.							

Photo 2 of 2 : SP_2018_RD0003_24_96_20180305_00080.jpg

Looking southwest at erosion on waterward slope.

LM Start	10.78	Rating **	A/W	Issue No.		97	
LM End	10.80	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Erosion / Bank Caving			38.183228 °		38.183123°		
item					97°	-121.651070 °	
DWR ID DWR_RD0003_01_s _ 2013_97							
Comment Code							
E2 : Schedule repair of erosion site prior to the next inspection.							

Erosion extends to waterward shoulder.

LM Start	10.78	Rating **	A/W	Issue No.	97 (cont)
LM End	10.80	Issue Type +	Ma	Location *	WS

Inspector Comment

# Photo 1 of 2: SP\_2018\_RD0003\_24\_97\_20180305\_00081.jpg



Looking south at erosion on waterward slope.

Photo 2 of 2: SP\_2018\_RD0003\_24\_97\_20180305\_00082.jpg



Looking southwest at erosion on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

## **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	10.79	Rating **	М	Issue No.		92	
LM End	10.92	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS La	atitud	le/Longitude		
Calegory				Start		End	
Vegetation		38.183204°		38.182481 °			
пеш	item			-121.650861 °		-121.653199°	
DWR ID	DWR_RD0	003_01_f _ 201	7_92				
Comment Code							
V2 : Remo	V2 : Remove the wild growth other than native grasses from the levee						

slopes.

Inspector Comment

Photo 1 of 3: SP\_2018\_RD0003\_24\_98\_20180305\_00083.jpg

No Photos



Looking north at erosion on waterward slope.

Rating \*\* Issue No. 10.86 A/W LM Start 98 WS LM End 10.89 Issue Type + Location \* Earthen Levee GPS Latitude/Longitude Category End Start Erosion / Bank Caving 38.182792° 38.182672 Item -121.652142° -121.652555 ° DWR ID DWR\_RD0003\_01\_s \_ 2013\_98 Comment Code E2: Schedule repair of erosion site prior to the next inspection. Inspector Comment Erosion extends to waterward shoulder.

Rating \*\* LM Start 10.86 A/W Issue No. 98 (cont) LM End 10.89 Issue Type + Ма Location \* WS

Photo 2 of 3: SP\_2018\_RD0003\_24\_98\_20180305\_00084.jpg



Looking northwest at erosion on waterward shoulder and slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2018 04/03/2018	Keith Millard

LM Start	10.86	Rating **	A/W	Issue No.		98 (cont)
LM End	10.89	Issue Type +	Ma	Location *		WS
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Erosion / Bank Caving			38.1827	92°	38.182672 °
пеш		-121.652			42 °	-121.652555 °
DWR ID DWR_RD0003_01_s _ 2013_98						
		Comn	nent Cod	le		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.
Inspector Comment						
Erosion extends to waterward shoulder.						

Photo 3 of 3: SP_2018_RD0003_24_98_20180305_00085.jpg	

Looking west at erosion on waterward slope.

LM Start	10.91	Rating **	A/W	Issue No.		99		
LM End	10.94	Issue Type +	Ma	Location *		WS		
Category	Earthen L	GPS La	GPS Latitude/Longitude					
Calegory	gory					End		
Item	Erosion / Bank Caving			38.182537°		38.182388 °		
item	item				87 °	-121.653388 °		
DWR ID DWR_RD0003_01_s _ 2013_99								
Comment Code								
E2 : Schedule repair of erosion site prior to the next inspection.								

Inspector Comment

Erosion extends to waterward shoulder.

LM Start	10.91	Rating **	A/W	Issue No.	99 (cont)
LM End	10.94	Issue Type +	Ma	Location *	WS



Looking west at erosion on waterward slope.

Photo 2 of 2 : SP\_2018\_RD0003\_24\_99\_20180305\_00087.jpg



Looking north at erosion on waterward shoulder and slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Ctt	0.17	Rating **	М	Issue No.		3		
LM Start	0.17	rating	IVI			<u>ა</u>		
LM End	0.17	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.1748	90°	38.174890 °		
пеш			-121.6510	31 °	-121.651031 °			
DWR ID	DWR ID DWR_RD0003_02_s _ 2012_3							
		Comn	nent Coo	le				
T1 : Trim t	rees to at l	east five feet	above g	round level				
Inspector Comment								

No Photos

LM Start	0.25	Rating **	М	Issue No.		4		
LM End	0.25	Issue Type +	Ma	Location *	LS			
Category	evee	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Trim / Thin Trees			38.17450	04°	38.174504°		
iteiii				-121.6496	51 °	-121.649651 °		
DWR ID DWR_RD0003_02_s _ 2012_4								
	Comment Code							

### Comment Code

T4 : Trim trees over roadway to at least 12 feet above ground level.

### Inspector Comment

Trim tree at least 12 feet above ground on levee crown.

### Photo 1 of 1: SP\_2018\_RD0003\_25\_4\_20180305\_00006.jpg



Looking east at untrimmed tree on landward shoulder.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

## **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	0.30	Rating **	М	Issue No.		5	
LM End	0.32	Issue Type +	Ma	Location *	WS		
Catagony	Earthen Levee				GPS Latitude/Longitude		
Calegory	Category			Start		End	
Item	Vegetation			38.17428	31 °	38.174209°	
item				-121.64869	98°	-121.648352 °	
DWR ID DWR_RD0003_02_s _ 2012_5							
Comment Code							

V2: Remove the wild growth other than native grasses from the levee slopes.

### Inspector Comment

Bamboo sprouts on waterward slope.

LM Start	0.30	Rating **	М	Issue No.	5 (cont)
LM End	0.32	Issue Type +	Ma	Location *	WS



Looking southeast at bamboo on waterward slope. (Fall 2016)

#### Photo 2 of 2: SP\_2018\_RD0003\_25\_5\_20180305\_00008.jpg



Looking east at bamboo on waterward slope. (Sping 2016)

LM Start	0.31	Rating **	U	Issue No.		151	
LM End	0.35	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category	Category					End	
Item	Vegetation			38.17423	5°	38.174109	
пеш				-121.64847	9°	-121.647870	
DWR ID DWR_RD0003_02_s _ 2016_151							

### Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Remove young willows along landside toe.

### Photo 1 of 2: SP\_2018\_RD0003\_25\_151\_20180305\_00129.jpg



Looking west at landside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	0.31	Rating **	U	Issue No.		151 (cont)
LM End	0.35	Issue Type +	Ma	Location *		LS
Cotogony	Earthen L	evee		GPS La	atitud	le/Longitude
Category	′			Start		End
Item	Vegetatio	Vegetation			35 °	38.174109°
пеш			-121.6484	79°	-121.647870°	
DWR ID DWR_RD0003_02_s _ 2016_151						
		Comn	nent Cod	le		
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Remove young willows along landside toe.						

hoto 2 of 2 : SP_2018_	_RD0003_25_151	_20180305_00130	).jpg
	To the second se		
		ALEXANDER OF THE PARTY OF THE P	

Looking west at dense vegetation at landward toe.

LM Start	1.46	Rating **	С	Issue No.		128
LM End	1.48	Issue Type +	Ма	Location *		LS
Category	Category Earthen Levee			GPS Latitude/Longitude		
Calegory				Start		End
Item	Trim / Thin Trees			38.1695	00°	38.169370 °
item				-121.628832 °		-121.628573 °
DWR ID DWR_RD0003_02_s _ 2017_128						
Comment Code						

Comment Code
T1 : Trim trees to at least five feet above ground level.

Large fallen tree on waterside slope.

Inspector Comment

No Photos

LM Start	1.57	Rating **	U	Issue No.		129
LM End	1.57	Issue Type +	Ма	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Encroachments			38.168700°		38.168700 °
пеш				-121.627233 °		-121.627233 °
DWR ID	DWR_RD0	003_02_s _ 201	7_129			
Comment Code						
TR: Tree or limb						
Inspector Comment						



Looking east at waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

1.57	Rating **	U	Issue No.		129 (cont)
1.57	Issue Type +	Ma	Location *		WS
Earthen L	evee		GPS La	atitud	le/Longitude
			Start		End
Encroachments			38.1687	° 00	38.168700 °
			-121.627233 °		-121.627233 °
DWR ID DWR_RD0003_02_s _ 2017_129					
Comment Code					
or limb					
	Inspecto	or Comm	nent		
Large fallen tree on waterside slope.					
	1.57 Earthen L Encroachi DWR_RD0 or limb	1.57 Issue Type + Earthen Levee Encroachments  DWR_RD0003_02_s _ 201 Commor limb Inspector	1.57 Issue Type + Ma Earthen Levee Encroachments  DWR_RD0003_02_s_2017_129 Comment Cocor limb  Inspector Comm	1.57 Issue Type + Ma Location *  Earthen Levee GPS Li Start  Encroachments 38.1687 -121.6272  DWR_RD0003_02_s _ 2017_129	1.57 Issue Type + Ma Location *  Earthen Levee

Marketon .		

Photo 2 of 3: SP\_2018\_RD0003\_25\_129\_20180305\_00094.jpg

Looking east at fallen tree on waterward slope.

 LM Start
 1.57
 Rating \*\*
 U
 Issue No.
 129 (cont)

 LM End
 1.57
 Issue Type +
 Ma
 Location \*
 WS

Photo 3 of 3: SP\_2018\_RD0003\_25\_129\_20180305\_00095.jpg



Looking northeast at fallen tree on waterward slope.

LM Start	1.67	Rating **	М	Issue No.		130
LM End	1.67	Issue Type +	Ма	Location *		WS
Earthen Levee				GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroachments			38.1678	80°	38.167880 °
item			-121.625572 °		-121.625572 °	
DWR ID DWR_RD0003_02_s _ 2017_130						
Comment Code						
TR : Tree	or limb					
		Inspecto	or Comm	nent		
Fallen tree on waterside slope.						



Looking south at the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	1.67	Rating **	M	Issue No.		130 (cont)		
LM End	1.67	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atituc	le/Longitude		
Calegory				Start		End		
Item	Encroach	ments		38.1678	80°	38.167880 °		
пеш			-121.625572 °		-121.625572 °			
DWR ID	DWR ID DWR_RD0003_02_s _ 2017_130							
	Comment Code							
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Fallen tree on waterside slope.								

LM Start	1.67	Rating **	M	Issue No.	130 (cont)
LMEnd	1 67	Issue Type +	Ma	Location *	W/S



Looking south at fallen tree on waterward slope.

Photo 3 of 3: SP 2018 RD0003 25 130 20180305 00098.jpg



Looking south at root ball of fallen tree on waterward slope.

LM Start	2.01	Rating **	М	Issue No.		140	
LM End	2.01	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.1657	40°	38.165740°	
пеш				-121.619970 °		-121.619970 °	
DWR ID	DWR_RD0003_02_f _ 2015_140						
		Comn	nent Cod	le			
PR : Pruni	ngs						
Inspector Comment							
Prunings piles on waterside slope.							



Looking south at the waterside slope.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	2.01	Rating **	М	Issue No.		140 (cont)		
LM End	2.01	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroach	ments		38.1657	40°	38.165740 °		
пеш				-121.619970 °		-121.619970 °		
DWR ID	DWR ID DWR_RD0003_02_f _ 2015_140							
	Comment Code							
PR : Pruni	ngs							
Inspector Comment								
Prunings piles on waterside slope.								



Looking at tree branches and tree limbs on waterward shoulder and slope.

LM Start	2.68	Rating **	М	Issue No.		131	
LM End	2.72	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.1646	52°	38.164765 °	
пеш				-121.6079	27 °	-121.607212°	
DWR ID	DWR ID DWR_RD0003_02_s _ 2017_131						
		Comn	nent Coo	le			
T1: Trim t	rees to at	least five feet	above g	round level.			
Inspector Comment							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	3.20	Rating **	М	Issue No.		7		
LM End	3.20	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.1678	° 80	38.167808°		
пеш			-121.599557°		-121.599557°			
DWR ID	DWR ID DWR_RD0003_02_s _ 2012_7							
	Comment Code							
T1: Trim t	rees to at l	east five feet	above g	round level.				
		Inspecto	or Comm	nent				
Dense vegetation on landside slope and toe.								

LM Start	3.20	Rating **	M	Issue No.	7 (cont)



Looking northwest at the landside slope.

Photo 2 of 2: SP\_2018\_RD0003\_25\_7\_20180305\_00010.jpg



Looking north at fig tree at landward toe.

LM Start	3.30	Rating **	U	Issue No.		154	
LM End	3.30	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.1687	50°	38.168750	
item				-121.5981	52°	-121.598152	
DWR ID	DWR_RD0003_02_f _ 2017_154						
		Comn	nent Cod	de			
TR : Tree	or limb						
			_				
Inspector Comment							
Downed tree on landside slope.							
·							



* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	3.67	Rating **	М	Issue No.		8		
LM End	3.82	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees	38.1732	242°	38.175118°			
пеш		-121.594305°		-121.592925 °				
DWR ID	DWR ID DWR_RD0003_02_s _ 2012_8							
		Comn	nent Cod	le				
T1: Trim t	rees to at	least five feet	above g	round level				
Inspector Comment								

No Photos

LM Start	3.76	Rating **	М	Issue No.		195		
LM End	11.64	Issue Type +	Ма	Location *		WS		
Category	Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Item	Vegetatio		38.1742	76°	38.242001 °			
пеш				-121.5935	18 °	-121.516235 °		
DWR ID DWR_RD0003_02_s _ 2018_195								

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	4.11	Rating **	U Issue No. 145		145		
LM End	4.11	Issue Type +	Ma	Location *	WS		
Category	evee	GPS La	titud	le/Longitude			
Calegory				Start		End	
ltom	, Vegetation				79°	38.178779°	
Item				-121.5904	25 °	-121.590425°	
DWR ID DWR_RD0003_02_f _ 2015_145							
Comment Code							

V7: Trees / Woody Vegetation

Inspector Comment

Century plants on waterside shoulder and slope.



Looking northeast at century plants on waterward shoulder and slope.

\* Location Rating + Issue Type LS: Land Side N/A: Not Applicable A : Acceptable M : Minimally Acceptable U : Unacceptable Ma: Maintenance Deficiancy N: Not Inspected/Rated WS: Water Side C : Corrected Ob: Design & System Obsolescence CR : Crown A/W : Acceptable but Monitor & Maintain En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	4.11	Rating **	U	Issue No.		143		
LM End	4.11	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Itom	ltem Vegetation				82 °	38.178782 °		
пеш					18°	-121.590418 °		
DWR ID DWR_RD0003_02_f _ 2015_143								
	Comment Code							
V7 : Trees / Woody Vegetation								
Inspector Comment								
Large century plants on landside shoulder and slope.								



Looking north at century plants on landward shoulder and slope.

LM Start	4.14	Rating **	М	Issue No.		48		
LM End	4.14	Issue Type +	Ma	Location *	LS			
Category	evee	GPS Latitude/Longitude						
Calegory			Start		End			
ltom	Trim / Thin Trees				60°	38.179160°		
ltem				-121.5902	47°	-121.590247°		
DWR ID DWR_RD0003_02_s _ 2012_48								
	Comment Code							

T1 : Trim trees to at least five feet above ground level.

Inspector Comment



Looking southwest at dense trees on landward slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	4.24	Rating **	М	Issue No.		10		
LM End	4.24	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
				Start		End		
Item	Trim / Thi		38.1803	61°	38.180361 °			
item			-121.589127 °		-121.589127 °			
DWR ID DWR_RD0003_02_s _ 2012_10								
Comment Code								
T1 : Trim trees to at least five feet above ground level.								
Inspector Comment								
Dense untrimmed trees on landside slope and toe.								
•								

7.50	
	MARINE TURN

Photo 1 of 2: SP\_2018\_RD0003\_25\_10\_20180305\_00013.jpg

Looking north at untrimmed trees on landwars slope and toe. (Fall 2016)

 LM Start
 4.24
 Rating \*\*
 M
 Issue No.
 10 (cont)

 LM End
 4.24
 Issue Type +
 Ma
 Location \*
 LS

Photo 2 of 2: SP\_2018\_RD0003\_25\_10\_20180305\_00014.jpg



Looking west at untrimmed tree on landward slope. (Spring 2016)

LM Start	4.29	Rating **	М	Issue No.		194		
LIVI Start								
LM End	4.49	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Vegetation			38.18106	66°	38.183516 °		
пеш	item				62 °	-121.586687 °		
DWR ID	DWR ID DWR_RD0003_02_s _ 2018_194							
Comment Code								
V0 . D	NO. Description wild arough other than retire arrange from the laws							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	4.61	Rating **	М	Issue No.		193	
LM End	5.47	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Vegetation			38.184874°		38.192067°	
пеш	item				11 °	-121.572854°	
DWR ID DWR_RD0003_02_s _ 2018_193							
Comment Code							
V2 : Remove the wild growth other than native grasses from the levee slopes.							
Inspector Comment							

No Photos

LM Start	4.65	Rating **	U	Issue No.		97	
LM End	4.65	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Encroachments			38.185317°		38.185317°		
пеш					70°	° -121.584870°	
DWR ID DWR_RD0003_02_s _ 2017_97							
Comment Code							
TR : Tree or limb							
Inspector Comment							
Fallen tree on landside slope.							



Looking west at fallen tree on landward slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	4.86	Rating **	A/W	Issue No.		127	
LM End	4.87	Issue Type +	Ma	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
ltom	ltem 2017 Storm Damage			38.18752	28°	38.187781 °	
item				-121.5823	94 °	-121.582331 °	
DWR ID DWR_RD0003_02_f _ 2017_127							
Comment Code							

#### Inspector Comment

Levee Evaluation Comments

Description:District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap.

Site ID No:278

Site Designation:LMA-104 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

LM Start	4.86	Rating **	A/W	Issue No.	127 (cont)
LM End	4.87	Issue Type +	Ма	Location *	



Photo 2 of 3 : SP\_2018\_RD0003\_25\_127\_20180305\_00091.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	4.86	Rating **	A/W	Issue No.	127 (cont)		
LM End	4.87	Issue Type +	Ma	Location *			
Category			GPS Latitude/Longitude				
Category				Start End			
Item	2017 Stor	m Damage		38.18752	8 °	38.187781	٥
пеш				-121.58239	4 °	-121.582331	0
DWR ID DWR_RD0003_02_f _ 2017_127							
	Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description:District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap.

Site ID No:278

Site Designation:LMA-104 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

Photo 3 of 3: SP_2018_RD0003_25_127_20180305_00092.j	pg
1000000	
<b>《大学》,"大学的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个</b>	
A CONTRACT OF A VIII	
38.18761, 121.58237, 22.0m, 161 Jul 26, 2017 9:38:11 AM	

LM Start	5.57	Rating **	М	Issue No.		161	
LM End	5.57	Issue Type +	Ma	Location *		WS	
Cotogon Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start I		End	
ltom	Vegetatio	n		38.1925	28°	38.192528	0
Item 5				-121.5711	92°	-121.571192	0
DWR ID DWR_RD0003_02_f _ 2017_161							
Comment Code							

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Cactus on waterside slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	5.57	Rating **	М	Issue No.		192	
LM End	6.46	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetation				00°	38.200294 °	
пеш				-121.571105 °		-121.559346 °	
DWR ID	DWR_RD0	003_02_s _ 201	8_192				
		Comn	nent Cod	de			
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
Inspector Comment							

No Photos

LM Start	6.57	Rating **	М	Issue No.		191	
LM End	7.20	Issue Type +	Ma	Location *		LS	
Category	.evee	GPS La	atitud	e/Longitude			
Calegory		Start		End			
Item	Vegetatio		38.2019	47°	38.210963 °		
пеш				-121.5588	57°	-121.558567 °	
DWR ID DWR_RD0003_02_s _ 2018_191							

No Photos

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LM Start	7.43	Rating **	М	Issue No.		188		
LM End	7.68	Issue Type +	Ma	Location *	LS			
Category	GPS La	atitud	le/Longitude					
Category				Start		End		
Item	Vegetatio	n		38.2143	26°	38.217941	0	
пеш	item					-121.558415	0	
DWR ID DWR_RD0003_02_s _ 2018_188								
	Comment Code							

No Photos

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applica	ole A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	7.73	Rating **	М	Issue No.		186		
LM End	7.98	Issue Type +	Ma	Location *		LS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Vegetatio	n		38.2187	24°	38.222281 °		
пеш				-121.5583	15 °	-121.557632 °		
DWR ID	DWR ID DWR_RD0003_02_s _ 2018_186							
		Comn	nent Coo	de				
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				

No Photos

LM Start	8.11	Rating **	U	Issue No.		162	
LM End	8.11	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.2241	10°	38.224110 °	
пеш				-121.5572	16°	-121.557216°	
DWR ID DWR_RD0003_02_f _ 2017_162							
Comment Code							
TD. Trans on Park							

TR : Tree or limb

Inspector Comment



Looking east at the waterside slope.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	8.11	Rating **	U	Issue No.		15			
LM End	8.11	Issue Type +	Ма	Location *		WS			
Category Earthen Levee			GPS La	atitud	le/Longitude				
Calegory		Start		End					
Item	ments	38.2241	30°	38.224130 °					
item				-121.5572	06°	-121.557206°			
DWR ID DWR_RD0003_02_f _ 2015_15									
		Comn	nent Cod	le					
TR : Tree	or limb								
			_						
		Inspecto	or Comm	nent					
Broken tree branches on waterside shoulder and slope.									

24130°	
57206°	
	CALL DOX
	Looking northeast at broken and cracked tree bra

Looking northeast at broken and cracked tree branches on waterward slope.

Photo 1 of 2: SP\_2018\_RD0003\_25\_15\_20180305\_00023.jpg

 LM Start
 8.11
 Rating \*\*
 U
 Issue No.
 15 (cont)

 LM End
 8.11
 Issue Type +
 Ma
 Location \*
 WS

Photo 2 of 2: SP\_2018\_RD0003\_25\_15\_20180305\_00024.jpg



Looking east at broken and cracked tree branches on waterward slope.

LM Start	8.11	Rating **	М	Issue No.		185			
LM End	8.39	Issue Type +	Ма	Location *		LS			
Category	evee	GPS La	atitud	e/Longitude					
Category				Start		End			
Item	Vegetatio	n		38.2241	89°	38.228139°			
item				-121.5572	59°	-121.557094°			
DWR ID	DWR_RD0	003_02_s _ 201	8_185						
		Comn	nent Cod	le					
V2 : Remo slopes.	ve the wild	d growth other	than na	tive grasse	s fro	m the levee			
		Inspecto	or Comm	ent					

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	8.97	Rating **	С	Issue No.		23			
LM End	8.97	Issue Type +	Ma	Location *		IS			
Earthen Levee				GPS La	atitud	le/Longitude			
Category				Start		End			
Item	Trim / Thi	n Trees		38.2362	94°	38.236294°			
пеш				-121.5595	27 °	-121.559527 °			
DWR ID	DWR ID DWR_RD0003_02_s _ 2012_23								
		Comn	nent Cod	le					
T1 : Trim t	rees to at	east five feet	above g	round level.					
		Inspecto	or Comm	nent					
Untrimmed	d tree on la	ındside slope.							

No Photos

LM Start	8.98	Rating **	М	Issue No.		176			
LM End	8.98	Issue Type +	Ma	Location *		LS			
Category Earthen Levee			GPS Latitude/Longitude						
Calegory			Start		End				
Item	Animal Control			38.236425 °		38.236425 °			
пеш				-121.55956	61 °	-121.559561 °			
DWR ID	DWR ID DWR_RD0003_02_f _ 2017_176								
Comment Code									
A1 : Exterr	A1 : Exterminate rodents and backfill and compact or grout burrows.								

No Photos

Inspector Comment

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	9.18	Rating **	U	Issue No.		184		
LM End	9.27	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Vegetation			38.238987°		38.240126°		
item				-121.558003 °		-121.557005 °		
DWR ID	DWR_RD0	003_02_s _ 201	8_184					
Comment Code								
V2: Remo	V2 : Remove the wild growth other than native grasses from the levee							

slopes.

Inspector Comment



Heavy vegetation on landside slope prevents inspection.

LM Start	9.29	Rating **	М	Issue No.		63		
LM End	9.29	9.29 Issue Type + Ma Location *		Location *		Location *		LS
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Trim / Thi	n Trees		38.2403	37°	38.240337°		
пеш			-121.5568	70°	-121.556870 °			
DWR ID DWR_RD0003_02_s _ 2012_63								

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	9.56	Rating **	М	Issue No.		64	_
LM End	9.62	Issue Type +	Ма	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Trim / Thin Trees			38.2423	92°	38.242501	0	
пеш				-121.552862 °		-121.551632	0
DWR ID	DWR_RD0	003_02_s _ 201	2_64				
		Comn	nent Coc	le			
T1 : Trim t	rees to at	least five feet	above gi	round level.			
		Inspecto	or Comm	ent			



Looking southwest at dense trees on landward shoulder and slope.

Location Rating + Issue Type LS: Land Side A : Acceptable M : Minimally Acceptable U : Unacceptable Ma: Maintenance Deficiancy N/A: Not Applicable N: Not Inspected/Rated WS: Water Side C : Corrected Ob: Design & System Obsolescence CR : Crown A/W : Acceptable but Monitor & Maintain En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	9.65	Rating **	U	Issue No.	183	
LM End	9.76	Issue Type +	Ma	Location *	LS	
Category Earthen Levee				GPS Latitude/Longitude		
Category				Start		End
Item	Vegetatio	n		38.2425	04°	38.242308 °
пеш				-121.5511	76°	-121.549073 °
DWR ID DWR_RD0003_02_s _ 2018_183						
Comment Code						

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Heavy vegetation on landside slope prevents inspection.

LM Start	9.82	Rating **	A/W	Issue No.		137		
LM End	9.84	Issue Type +	Ma	Location *				
Category Supplemental				GPS Latitude/Longitude				
Category				Start		End		
Item	2017 Stor	m Damage		38.2420	06°	38.241950 °		
item				-121.5481	17°	-121.547681 °		
DWR ID	DWR ID DWR_RD0003_02_f _ 2017_137							
Comment Code								

#### Inspector Comment

Levee Evaluation Comments

Description: District station 518+55 to 519+81, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap.

Site ID No:279

Site Designation:LMA-105

Repair Type: Erosion

Rating:Area of Concern

Field Date:7/26/2017

Notes:

# Photo 1 of 3: SP\_2018\_RD0003\_25\_137\_20180305\_00103.jpg



N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Issue Type

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	9.82	Rating **	A/W	Issue No. 137 (cont)		137 (cont)	
LM End	9.84	Issue Type +	Ma	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Category			Start		End		
Item	2017 Stor	m Damage		38.2420	06 °	38.241950 °	
item				-121.5481	17°	-121.547681 °	
DWR ID	DWR_RD0003_02_f _ 2017_137						
Comment Code							

### Inspector Comment

Levee Evaluation Comments

Description:District station 518+55 to 519+81, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap.

Site ID No:279

Site Designation:LMA-105 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

LM Start	9.82	Rating **	A/W	Issue No.	137 (cont)
LM End	9.84	Issue Type +	Ma	Location *	



Photo 3 of 3: SP\_2018\_RD0003\_25\_137\_20180305\_00105.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

				II.			
LM Start	9.97	Rating **	U	Issue No.		182	
LM End	10.00	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	38.2417	'84 °	38.241707 °			
item				-121.545302 °		-121.544835 °	
DWR ID	DWR_RD0	003_02_s _ 201	8_182				
		Comn	nent Cod	le			
V1 : Contro easements	•	grass and wee	eds on th	e levee slo	pes a	and	
		Inspect	or Comm	nent			



Heavy vegetation on landside slope prevents inspection.

LM Start	10.01	Rating **	A/W	Issue No.		138
LM End	10.03	Issue Type +	Ма	Location *		
Category Supplemental				GPS Latitude/Longitude		
Category				Start		End
Item	2017 Stor	m Damage		38.2414	81 °	38.241439°
пеш	Item -			-121.544569 °		-121.544353 °
DWR ID	DWR_RD0003_02_f _ 2017_138					
Comment Code						

### Inspector Comment

Levee Evaluation Comments

Description:District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.

Site ID No:280

Site Designation:LMA-106 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

# Photo 1 of 3 : SP\_2018\_RD0003\_25\_138\_20180305\_00106.jpg



N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	10.01	Rating **	A/W	Issue No.	138 (cont)		
LM End	10.03	Issue Type +	Ma	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory			Start		End		
Item	2017 Stor	m Damage		38.24148	81 °	38.241439°	
пеш				-121.54456	9°	-121.544353 °	
DWR ID	DWR_RD0003_02_f _ 2017_138						
Comment Code							

#### Inspector Comment

Levee Evaluation Comments

Description:District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.

Site ID No:280

Site Designation:LMA-106 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

LM Start	10.01	Rating **	A/W	Issue No.	138 (cont)
LM End	10.03	Issue Type +	Ma	Location *	



Photo 3 of 3: SP\_2018\_RD0003\_25\_138\_20180305\_00108.jpg



# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	10.20	Rating **	U	Issue No.	167				
LM End	10.48	Issue Type +	Ма	Location *	LS				
Category Earthen Levee				GPS La	atitud	e/Longitude			
				Start		End			
Item	Vegetation			38.2409	38°	38.239695 °			
пеш				-121.541251 °		-121.536265 °			
DWR ID DWR_RD0003_02_s _ 2018_167									
		Comn	nent Cod	de					
V1 : Contreasements	•	grass and wee	eds on th	e levee slo	pes a	and			
		Inspecto	or Comm	nent					

Photo 1 of 1 : SP_2018_RD0003_25_167_20180404_00295.jpg	
Country of the Countr	
No page	

Heavy vegetation on Indside slope prevents inspection.

LM Start	10.55	Rating **	М	Issue No.		163		
LM End	10.65	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Vegetation			38.239426°		38.239032 °		
iteiii				-121.535152 °		-121.533252 °		
DWR ID DWR_RD0003_02_s _ 2018_163								
		_						

### Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

# Photo 1 of 1 : SP\_2018\_RD0003\_25\_163\_20180404\_00290.jpg



Tall landside vegetation prevents inspection.

LM Start	11.33	Rating **	A/W	Issue No.	1			
LM End	11.42	Issue Type +	Ма	Location *	WS			
Category	Supplemental				GPS Latitude/Longitude			
Calegory	Category			Start		End		
Itom	2015 USACE Erosion Survey,			38.23987	o°	38.239983 °		
ltem DRAFT				-121.52098	9 °	-121.519361 °		
DWR ID	DWR ID DWR_RD0003_02_s _ 2016_1							
Comment Code								

#### Inspector Comment

2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015: Minor new erosion at toe. [2015 Site ID: SAC\_26-3\_R]



USACE 2013 Photo #1

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	11.33	Rating **	A/W	Issue No.	1 (cont)		
LM End	11.42	Issue Type +	Ma	Location *	WS		
Supplemental			GPS Latitude/Longitude				
Calegory				Start		End	
Item	2015 USACE Erosion Survey, DRAFT			38.2398	70°	38.239983	
пеш				-121.5209	89°	-121.519361 °	
DWR ID DWR_RD0003_02_s _ 2016_1							
Comment Code							

#### Inspector Comment

2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015: Minor new erosion at toe. [2015 Site ID: SAC\_26-3\_R]



USACE 2013 Photo #2

LM Start	11.55	Rating **	М	Issue No.		24
LM End	11.57	Issue Type +	Ма	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
			Start		End	
Item	Trim / Thin Trees			38.2410	93 °	38.241300 °
пеш				-121.517378 °		-121.517073
DWR ID DWR_RD0003_02_s _ 2012_24						
Comment Code						

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Nο	Photos	:

LM Start	12.14	Rating **	М	Issue No.	196	
LM End	12.14	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS La	atitud	le/Longitude
				Start		End
Encroachments Item			38.248094°		° 38.248094	
пеш				-121.511659 °		-121.511659
DWR ID	DWR_RD0	003_02_s _ 201	8_196			
		Comn	nent Cod	le		
TR : Tree or limb						
		Inspecto	or Comm	nent		

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	12.90	Rating **	М	Issue No.		135	
LM End	12.90	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
				Start		End	
Item	Trim / Thin Trees			38.2574	27°	38.257427 °	
item				-121.518329 °		-121.518329°	
DWR ID	DWR_RD0	003_02_s _ 201	8_135				
		Comn	nent Cod	le			
T1: Trim t	rees to at	least five feet	above g	round level			
	Inspector Comment						

No Photos

LM Start	13.15	Rating **	A/W	Issue No.	139		
LM End	13.17	Issue Type +	Ma	Location *			
Category			GPS Latitude/Longitude				
Calegory				Start		End	
Item	2017 Stor	m Damage		38.26004	42 °	38.260219	0
пеш				-121.52158	31 °	-121.521803	0
DWR ID DWR_RD0003_02_f _ 2017_139							
Comment Code							

# Inspector Comment

Levee Evaluation Comments

Description: District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.

Site ID No:281

Site Designation:LMA-107 Repair Type: Erosion Rating:Area of Concern

Field Date:7/26/2017 Notes:

Photo 1 of 3: SP\_2018\_RD0003\_25\_139\_20180305\_00109.jpg



N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	13.15	Rating **	A/W	Issue No.	139 (cont)		
LM End	13.17	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory		Start		End			
Item	2017 Stor	m Damage		38.26004	2°	38.260219	٥
пеш				-121.52158 <sup>-</sup>	۱°	-121.521803	٥
DWR ID	DWR_RD0003_02_f _ 2017_139						
		Comn	nent Coo	le			

#### Inspector Comment

Levee Evaluation Comments

Description:District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.

Site ID No:281

Site Designation:LMA-107 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017

Notes:

LM Start	13.15	Rating **	A/W	Issue No.	139 (cont)
LM End	13.17	Issue Type +	Ma	Location *	



Photo 3 of 3: SP\_2018\_RD0003\_25\_139\_20180305\_00111.jpg



# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

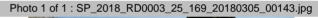
LM Start	13.39	Rating **	М	Issue No.		197
LM End	15.46	Issue Type +	Ma	Location *		WS
Catagory	Category Earthen Levee			GPS La	atitud	e/Longitude
Calegory			Start		End	
Item	Vegetation			38.2623	68°	38.282965 °
пеш				-121.5247	70°	-121.552285 °
DWR ID	DWR_RD0003_02_s _ 2018_197					
		Comn	nent Cod	le		
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	oes a	and
easements	S.					
Inspector Comment						

No Photos

LM Start	13.86	Rating **	М	Issue No.		169	
	13.86	Issue Type +	Ma	Location *		LS	-
LM End	13.00	issue Type +	IVIA	Location		LO	
Category Earthen Levee			GPS La	atitud	le/Longitude		
			Start		End		
Item	Animal Co	ontrol		38.2670	84°	38.267084	0
item				-121.5309	39°	-121.530939	0
DWR ID DWR_RD0003_02_f _ 2017_169							
	Comment Code						

A1: Exterminate rodents and backfill and compact or grout burrows.

#### Inspector Comment





Looking southeast at the landside slope.

LM Start	14.11	Rating **	М	Issue No.		132		
LM End	14.11	Issue Type +	Ма	Location *		LS		
Category Earthen Levee			GPS Latitude/Longitude					
			Start		End			
Itom	Vegetatio	n		38.2694	72 °	38.269472	0	
Item				-121.5343	65 °	-121.534365	0	
DWR ID	DWR_RD0	003_02_s _ 201	8_132					
	Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	14.23	Rating **	С	Issue No.		91	
LM End	14.23	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Trim / Thin Trees			38.2707	03°	38.270703 °		
item				-121.535938 °		-121.535938 °	
DWR ID DWR_RD0003_02_s _ 2018_91							
		Comn	nent Cod	le			
T1 : Trim t	rees to at l	east five feet	above g	round level			
			_				
		Inspecto	or Comm	nent			

No Photos

LM Start	14.44	Rating **	М	Issue No.		126
LM End	14.44	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Category			Start		End	
Item	Vegetatio	n		38.2728	36°	38.272836 °
пеш				-121.5388	02 °	-121.538802 °
DWR ID DWR_RD0003_02_s _ 2018_126						
Comment Code						

No Photos

 $\ensuremath{\mathsf{V2}}$  : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	15.00	Rating **	A/W	Issue No.		142
LM End	15.07	Issue Type +	Ма	Location *		
Category				GPS Latitude/Longitude		
Calegory				Start		End
Item	2017 Stor	m Damage		38.2788	06°	38.279444°
пеш				-121.5458	17°	-121.546647 °
DWR ID	DWR ID DWR_RD0003_02_f _ 2017_142					
Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description:District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.

Site ID No:282

Site Designation:LMA-108 Repair Type: Erosion Rating:Area of Concern Field Date:7/28/2017 Notes: no berm

LM Start	15.00	Rating **	A/W	Issue No.	142 (cont)
LM End	15.07	Issue Type +	Ma	Location *	



Photo 2 of 3: SP\_2018\_RD0003\_25\_142\_20180305\_00116.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	15.00	Rating **	A/W	Issue No.	142 (cont)	
LM End	15.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory	Category					End
Item	2017 Stor	m Damage		38.2788	06°	38.279444°
пеш				-121.5458	17°	-121.546647 °
DWR ID	DWR ID DWR_RD0003_02_f _ 2017_142					
Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description:District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.

Site ID No:282

Site Designation:LMA-108 Repair Type: Erosion Rating:Area of Concern Field Date:7/28/2017 Notes: no berm

Photo 3 of 3: SP\_2018\_RD0003\_25\_142\_20180305\_00117.jpg

LM Start	15.37	Rating **	М	Issue No.	134		
LM End	15.37	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	tituc	le/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.2822	43°	38.282243	•
пеш			-121.5509	17°	-121.550917	•	
DWR ID	DWR_RD0	003_02_s _ 201	7_134				
Comment Code							

#### Comment Co

PR: Prunings

#### Inspector Comment

Large fallen tree on landside slope. Large tree removed, prunings remain on slope.

#### Photo 1 of 3: SP\_2018\_RD0003\_25\_134\_20180305\_00100.jpg



Looking southwest at the landside slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	15.37	Rating **	М	Issue No.		134 (cont)	
LM End	15.37	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Encroach	ments		38.2822	43°	38.282243 °	
item				-121.550917° -121.5509			
DWR ID	DWR ID DWR_RD0003_02_s _ 2017_134						
		Comn	nent Cod	le			
PR : Pruni	ngs						
		Inspecto	or Comm	nent			
Large fallen tree on landside slope. Large tree removed, prunings remain on slope.							

LM Start	15.37	Rating **	M	Issue No.	134 (cont)
LMEnd	15 37	Issue Type +	Ma	Location *	1 9



Looking west at fallen tree at landward toe.

Photo 3 of 3: SP\_2018\_RD0003\_25\_134\_20180305\_00102.jpg



Looking northwest at fallen tree at landward toe.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	15.46	Rating **	A/W	Issue No.	149	
LM End	15.47	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	2017 Stor	m Damage		38.28311	9°	38.283172 °
пеш			-121.55225	0°	-121.552347 °	
DWR ID DWR_RD0003_02_f _ 2017_149						
Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.

Site ID No:283 Site Designation:LMA-109 Repair Type: Erosion Rating:Area of Concern Field Date:7/26/2017 Notes:

LM Start	15.46	Rating **	A/W	Issue No.	149 (cont)
LM End	15.47	Issue Type +	Ma	Location *	



Photo 2 of 3: SP\_2018\_RD0003\_25\_149\_20180305\_00125.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	15.46	Rating **	A/W	Issue No.		149 (cont)	
LM End	15.47	Issue Type +	Ma	Location *			
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	2017 Stor	m Damage		38.2831	19°	38.283172	0
пеш				-121.5522	50°	-121.552347	0
DWR ID	DWR_RD0	0003_02_f _ 201	7_149				
		Comn	nent Cod	de			

#### Inspector Comment

Levee Evaluation Comments

Description: District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.

Site ID No:283

Site Designation:LMA-109

Repair Type: Erosion

Rating: Area of Concern

Field Date:7/26/2017

Notes:



LM Start	15.70	Rating **	С	Issue No.		95	
LM End	15.70	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitud			
Category			Start			End	
Item	Vegetation		38.285347°		38.285347	0	
пеш				-121.5555	34°	-121.555534	0
DWR ID	DWR_RD0	003_02_s _ 201	3_95				
		Comn	nent Cod	le			
V7 : Trees	/ Woody \	/egetation					Т

Inspector Comment

Palm tree on landside slope and toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	15.78	Rating **	С	Issue No.		148
LM End	15.78	Issue Type +	Ma	Location *		WS
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Trim / Thi	n Trees		38.2862	22 °	38.286222 °
пеш				-121.5565	37°	-121.556537°
DWR ID	DWR_RD0	003_02_s _ 201	6_148			·
		Comn	nent Cod	le		
T1: Trim t	rees to at	east five feet	above g	round level.		
		Inspecto	or Comm	nent		

No Photos

11100	15.94	Rating **	М	Issue No.		124	
LM Start	15.94	Rating	IVI	issue ivo.		124	
LM End	15.94	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Slope Sta	Slope Stability			09°	38.288009 °	
пеш				-121.5583	98 °	-121.558398 °	
DWR ID	DWR_RD0	003_02_s _ 201	8_124				
		Comn	nent Cod	le			
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.							
			_				

### Inspector Comment

Vehicle erosion on landside slope.

# Photo 1 of 1 : SP\_2018\_RD0003\_25\_124\_20180404\_00287.jpg



Vehicle erosion on landside slope should be repaired.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	16.54	Rating **	A/W	Issue No.	150		
LM End	16.56	Issue Type +	Ма	Location *			
Category	Suppleme	ental		GPS Latitude/Longitude			
Calegory				Start		End	
Item	2017 Stor	m Damage		38.2947	17°	38.294986 °	
пеш				-121.5654	17°	-121.565661 °	
DWR ID DWR_RD0003_02_f _ 2017_150							
	Comment Code						

#### Inspector Comment

Levee Evaluation Comments

Description:District station 873+61 to 874+83, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 122 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends beyond the rip rap. A section of rip rap has eroded away in this location.

Site ID No:284 Site Designation:LMA-110 Repair Type: Erosion

Rating:Area of Concern Field Date:7/28/2017 Notes: no berm

LM Start	16.54	Rating **	A/W	Issue No.	150 (cont)
I M End	16.56	Issue Type +	Ma	Location *	



Photo 2 of 2 : SP\_2018\_RD0003\_25\_150\_20180305\_00128.jpg



### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	16.54	Rating **	A/W	Issue No.		20	
LM End	16.63	Issue Type +	Ma	Location *	WS		
Supplemental				GPS La	atitud	le/Longitude	
Category			Start		End		
Item	2015 USACE Erosion Survey,			38.2947	57°	38.295730°	
пеш	DRAFT			-121.565376		-121.566295 °	
DWR ID	DWR_RD0	003_02_s _ 201	6_20				
Comment Code							

#### Inspector Comment

1997 - Erosion of supper sandy levee material above the water line, straight reach. 1999 - Small pocket repaired with rock. 2005 - Downstream 400 ft have been repaired. 2011 - Site is overgrown with vegetation. 2015: Site appears stable, may consider removal if no change after the next large storm event. [2015 Site ID: SAC\_31-6\_R]



USACE 2013 Photo #1

LM Start	16.56	Rating **	М	Issue No.		147
LM End	16.56	Issue Type +	Ma	Location *	LS	
Cotogon Earthen Levee				GPS La	atitud	le/Longitude
Category				Start		End
Trim / Thin Trees			38.294809°		38.294809°	
пеш				-121.5657	65 °	-121.565765 °
DWR ID	DWR_RD0	003_02_s _ 201	6_147			
		Comn	nent Cod	le		
T1 : Trim trees to at least five feet above ground level.						

Inspector Comment

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	16.58	Rating **	М	Issue No.		198	
LM End	17.37	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetation			38.2951	20°	38.304044 °	
пеш				-121.5659	99°	-121.574631 °	
DWR ID	WR ID DWR_RD0003_02_s _ 2018_198						
		Comn	nent Cod	le			
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	oes a	and	
easements	S.						
		Inspecto	or Comm	nent			

No Photos

LM Start	16.90	Rating **	A/W	Issue No.		152	
LM End	16.90	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory		Start		End			
Item	2017 Stor	m Damage		38.29891	4 °	38.298997	0
item				-121.56915	6°	-121.569217	0
DWR ID	DWR_RD0	003_02_f _ 201	7_152				

#### Comment Code

#### Inspector Comment

Levee Evaluation Comments

Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.

Site ID No:285

Site Designation:LMA-111
Repair Type: Erosion

Rating:Area of Concern Field Date:7/28/2017 Notes: highway on crown Photo 1 of 3: SP\_2018\_RD0003\_25\_152\_20180305\_00131.jpg



\* Rating

A: Acceptable

M: Minimally Acceptable

U: Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/03/2018 04/04/2018	Keith Millard

LM Start	16.90	Rating **	A/W	Issue No.		152 (cont)
LM End	16.90	Issue Type +	Ma	Location *		
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	2017 Stor	m Damage		38.29891	1°	38.298997°
пеш				-121.56915	s °	-121.569217°
DWR ID	DWR_RD0	003_02_f _ 201	7_152			

#### Inspector Comment

Comment Code

Levee Evaluation Comments

Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.

Site ID No:285

Site Designation:LMA-111

Repair Type: Erosion

Rating:Area of Concern

Field Date:7/28/2017

Notes: highway on crown

LM Start	16.90	Rating **	A/W	Issue No.	152 (cont)
LM End	16.90	Issue Type +	Ma	Location *	



Photo 3 of 3: SP\_2018\_RD0003\_25\_152\_20180305\_00133.jpg



CR: Crown

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

# **Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	04/03/2018 04/03/2018	Keith Millard

LM Start	0.10	Rating **	М	Issue No.		2	
LM End	0.10	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	า		38.1807	80°	38.180780 °	
item			-121.653585 °			-121.653585 °	
DWR ID DWR_RD0003_03_s _ 2018_2							
		Comn	nent Cod	le			
V4 : Elderk	perries are	blocking visib	ility and	flood fight	сара	ability.	
		Inspecto	or Comm	nent			

No Photos

	0.45	Dating **	N.4	Issue No.		-		
LM Start	0.15	Rating **	М	issue ivo.	5			
LM End	0.18	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Trim / Thi	n Trees		38.180150°		38.179722 °		
item				Start	45 °	-121.653663 °		
DWR ID	DWR_RD0	003_03_s _ 201	3_5					
Comment Code								
T1 : Trim t	rees to at I	east five feet	above g	round level.				

#### Inspector Comment

Untrimmed trees on waterward slope.



Looking southeast at untrimmed trees on waterward slope and toe.

+ Issue Type
Ma : Mainte